

Having thus described the preferred embodiments,
the invention is now claimed to be:

1. A magnetic resonance apparatus comprising:
 - a magnet assembly for generating a main magnetic field through a subject disposed in an examination region, the magnet being disposed in a magnetic resonance suite;
 - 5 a sequence control system for generating magnetic resonance sequences;
 - an RF coil which at least receives resonance signals from the examination region, the RF coil being disposed adjacent the examination region;
 - 10 an image processing system which processes the resonance signals received by the RF coil into images and manipulates the reconstructed images;
 - a wireless interface disposed with an antennae in the magnetic resonance suite for wireless communication
 - 15 between (i) at least one of the sequence control systems and the image processing system and (ii) at least one of the RF coil and a wireless remote control unit for communicating between an operator and at least one of the sequence control system and the image processing system.

2. The magnetic resonance apparatus as set forth in claim 1, wherein the remote control unit includes:

- 5 a display for relaying information from at least one of the sequence control system and the image processing system to the operator;
 - an input portion for accepting requests from the operator;
 - an RF transmitter for transmitting the operator
 - 10 requests to the wireless interface.

3. The magnetic resonance apparatus as set forth in claim 2, wherein the remote control unit further includes:

5 a radio frequency receiver for receiving radio frequency signals from at least the wireless interface.

4. The magnetic resonance apparatus as set forth in claim 3, further including:

a microprocessor for processing operator input to the remote control unit.

5. The magnetic resonance apparatus as set forth in claim 1, wherein the wireless interface and the at least one of the remote control unit and the RF coil communicate with carrier frequencies greater than 500 MHZ.

6. The magnetic resonance apparatus as set forth in claim 5, wherein the carrier frequencies are between 2.3 and 2.6 GHz.

7. The magnetic resonance apparatus as set forth in claim 1, further including:

an RF transmitter disposed adjacent the RF coil;
5 a radio frequency transceiver connected with the transmitter for communicating between the RF transmitter and the wireless interface.

8. The magnetic resonance apparatus as set forth in claim 1, further including:

additional radio frequency transceivers for providing a wireless communication pathway between a radio
5 frequency transmitter and the RF coil.

9. A method of magnetic resonance comprising:
inducing a main magnetic field through a subject in an imaging region;

exciting and manipulating magnetic dipoles
5 within the imaging region;

receiving and demodulating magnetic resonance signals;

10

frequency signals.

including:

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the radio frequencies are greater than 500 MHZ.

including:

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further including:

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including:

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5 a communicating means for communicating
information to an operator;

an input means that facilitates operator communication to sequence control and image processing systems;

5 a keyboard;
 a touch screen; and,
 a voice recognition device.

communicating within the magnetic resonance suite over radio frequency communications signals.

communicating radio frequency resonance signals
5 received by the RF coil over the radio frequency
communications signals to the image processing system.

19. In the magnetic resonance imaging system as set forth in claim 17, wherein the radio frequency communicating includes:

communicating control signals from a hand held
5 controller in the imaging suite to at least one of the
sequence control system and the image processing system.

20. In the magnetic resonance imaging system as set forth in claim 17 wherein the communications are digitally encoded on the radio frequency communication signals.

21. In the magnetic resonance imaging system as set forth in claim 17 wherein the radio frequency communication signals have a frequency greater than 0.5 GHz.

1. The first part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.